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(54) Title: METHOD FOR SUPPORTING PILOT BOOST IN E-DCH OF WCDMA

(57) Abstract: The method for supporting pilot boost to the uplink dedicated channels in the WCDMA system comprising steps of: transmitting E-TFCI to a Node B by a UE; adjusting an uplink pilot power boosting amplitude by the UE according to the E-TFCI; and performing a uplink inner loop power control by the Node B according to a measured SIR, a target preset by the inner loop power control and a pilot boost amplitude resulted from the E-TFCI. The object of supporting pilot boost is achieved by transmitting E-TFCI in advance by the UE, adjusting the power of pilot according to the E-TFCI properly, and considering the pilot power boosting amplitude when the Node B performs inner loop power control in the invention. Thus, the object of improving the capacity of the wireless communication system can be accomplished through supporting the pilot boost in the invention.